

CLAIMS

What is claimed is:

1. A preview method of color processing on input images which enables users to select a block of a preview image in image processing software to apply various image processing functions in a WYSIWYG way, comprising the following steps:
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 reading an original image;
 extracting and displaying a first preview image;
 applying image processing functions on a selected block;
 applying image processing functions on the original image; and
10 displaying the processed image.
2. The method of claim 1, wherein the original image is read by image processing software from a digital image input device.
3. The method of claim 2, wherein the digital image input device is one selected from the group consisting of a scanner, a digital camera and a digital video camcorder.
- 15 4. The method of claim 1, wherein the step of extracting the first preview image is executed in a user interface.
5. The method of claim 4, wherein the user interface comprises at least an image processing function setup area and an image preview area.
6. The method of claim 1, wherein the range of the selected block is determined by mice in a drag and drop way.
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7. The method of claim 1, wherein the image processing functions comprise at least color mode adjustment, resolution adjustment, brightness adjustment, contrast adjustment, blur/sharpness adjustment and special effects.

8. The method of claim 1, wherein the information of the selected block comprises at least information of the original image, the coordinate of the selected block and the parameters of the applied image processing functions.
9. The method of claim 1, wherein information of the original image comprises at least the size and color of the image.
10. The method of claim 1, wherein the step of s applying image processing functions on the selected block further comprises steps of:
- copying the first preview image to produce a second preview image;
 - displaying the first preview image in the user interface;
 - determining the rage of the selected block;
 - recording information of the selected block;
 - using the image processing functions;
 - applying the image processing functions of the selected block;
 - confirming to apply the image processing functions; and
 - transmitting the parameters of image processing functions.
11. The method of claim 10, wherein when users change the selected block further comprises steps of:
- updating information of the selected block; and
 - applying the image processing functions of the selected block.
12. The method of claim 10, wherein when the users undo the applied image processing functions further comprises a step of a recovery process.
13. The method of claim 12, wherein the recovery process is to replace the first preview image by the second preview image.